

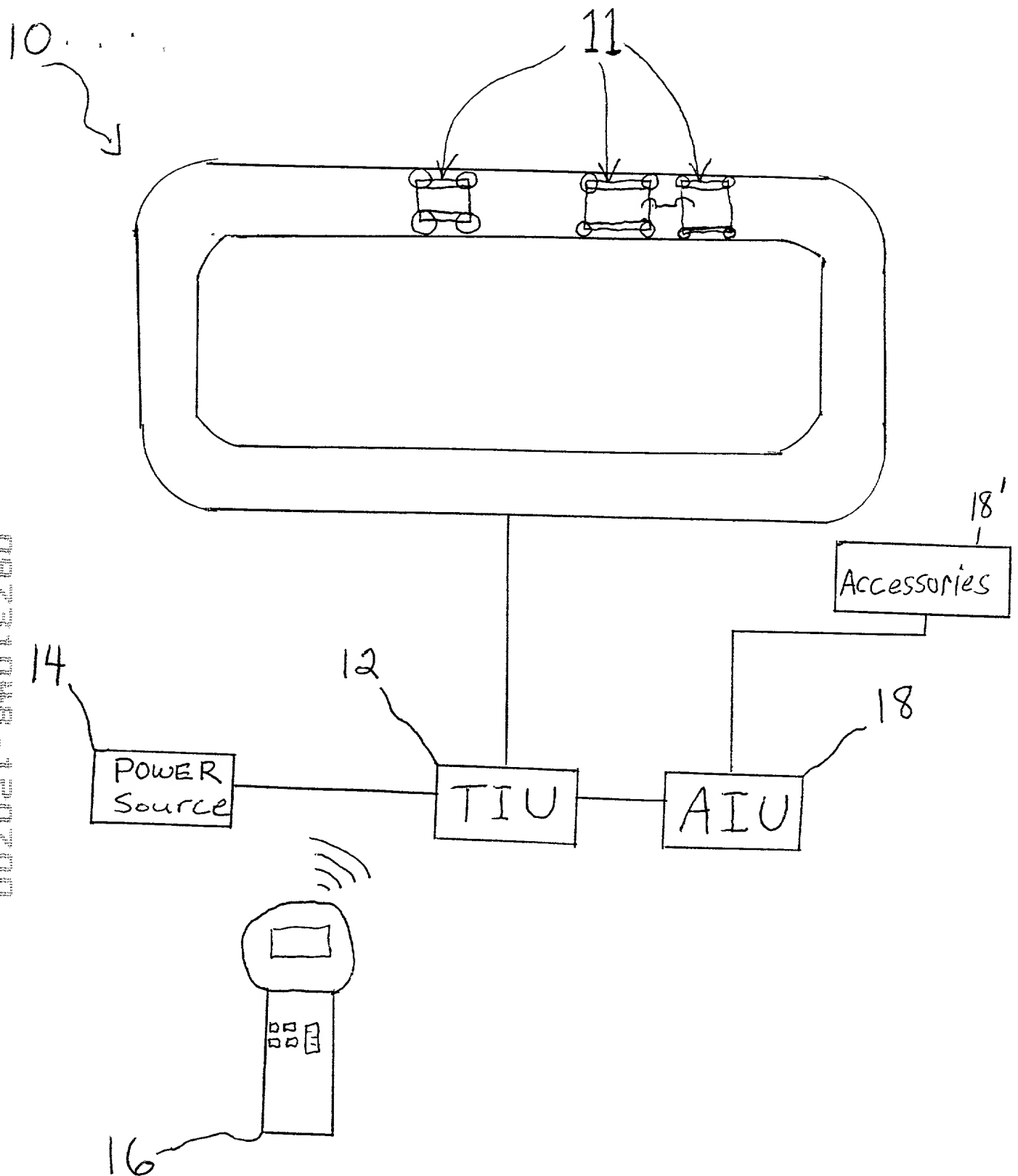
[illegible]

Figure 1

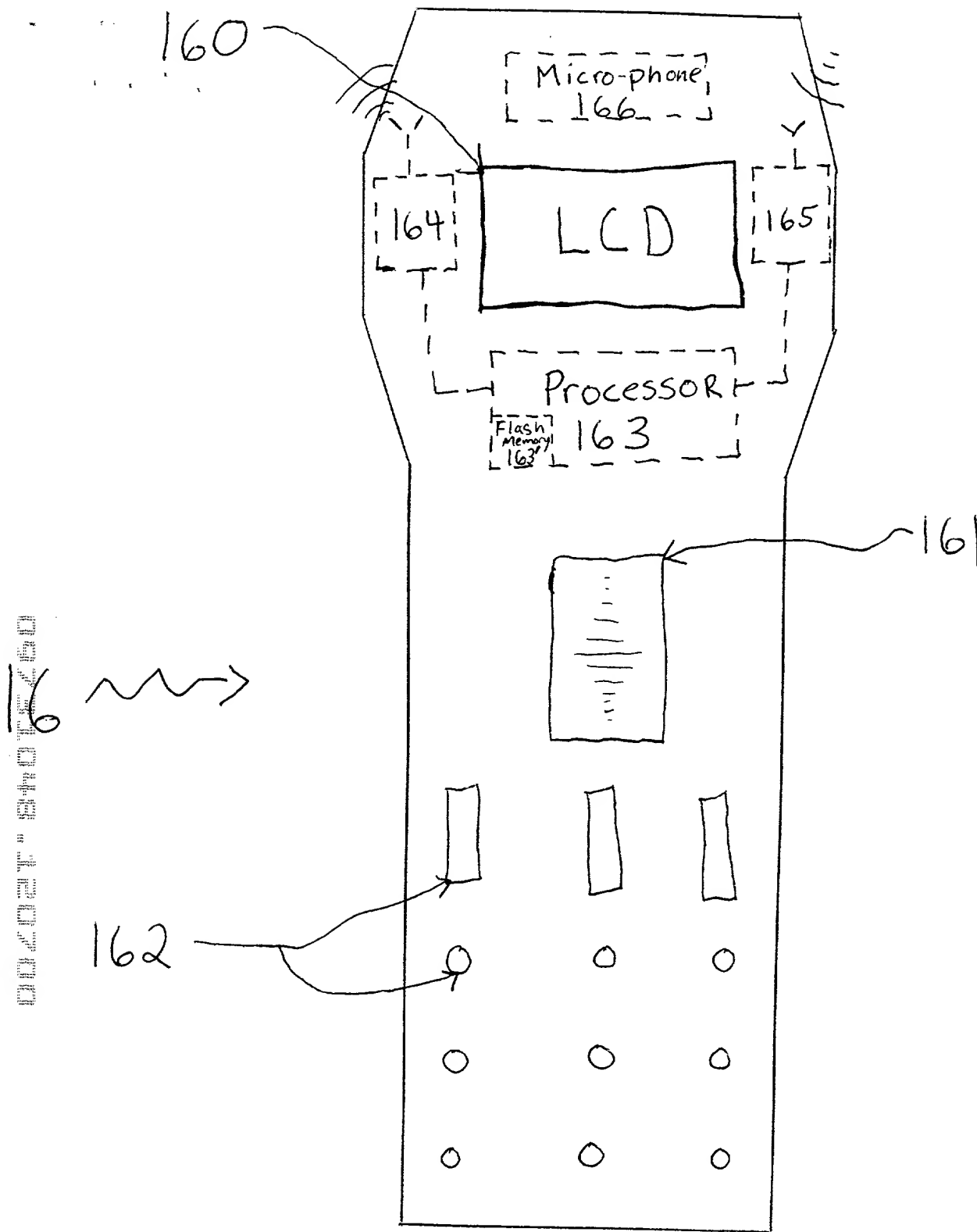
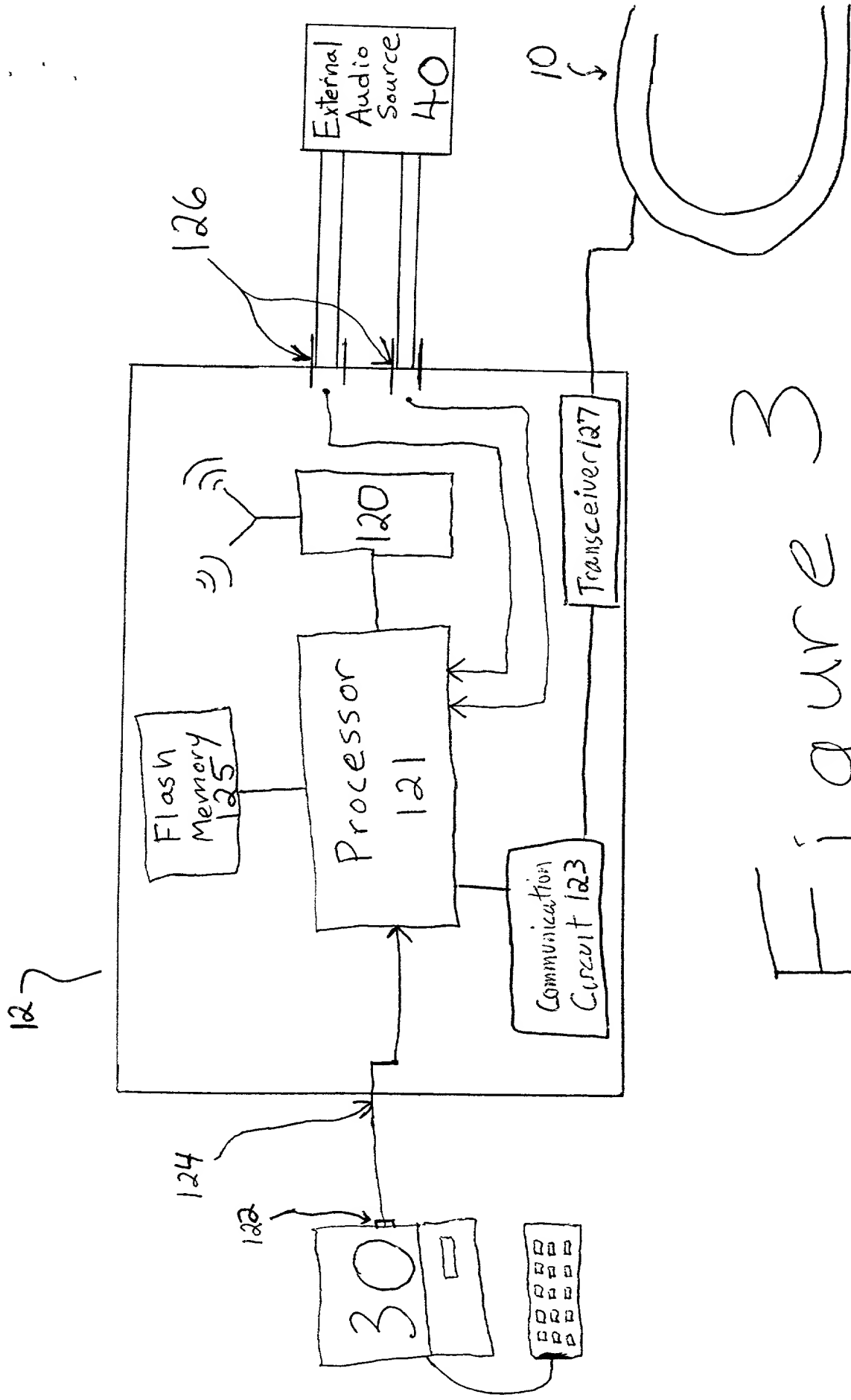


Figure 2



Fireurge 3

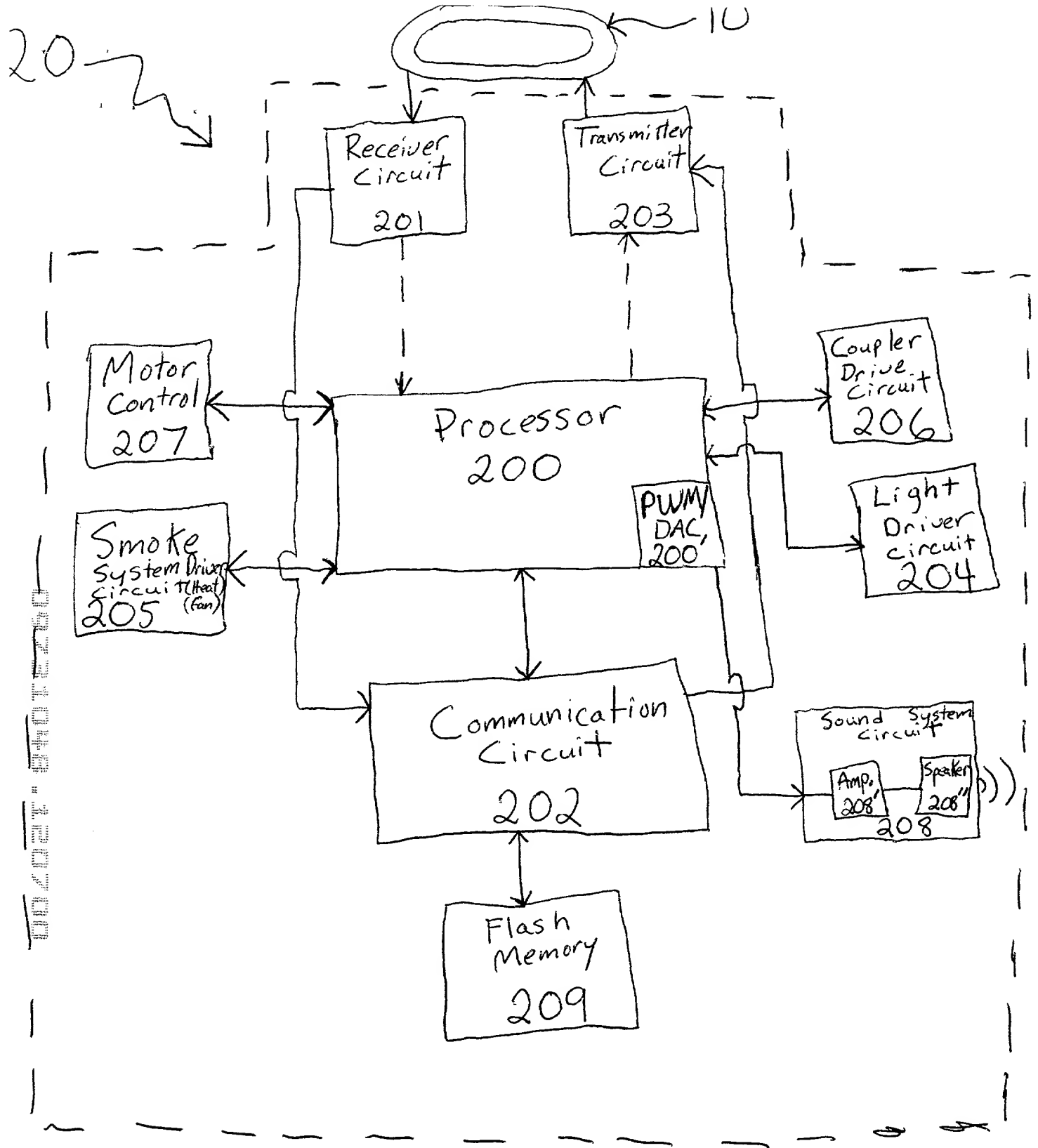


Figure 4

20

20021-237663

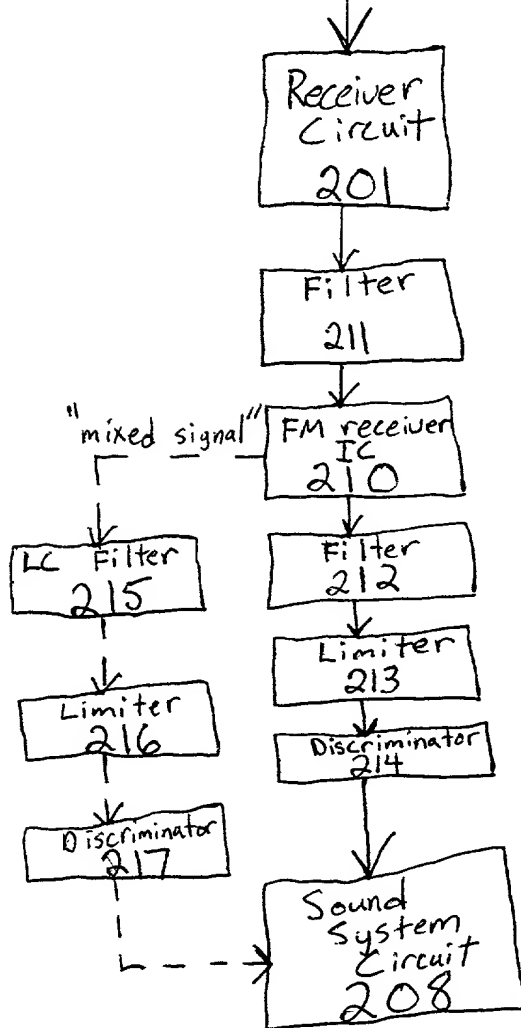
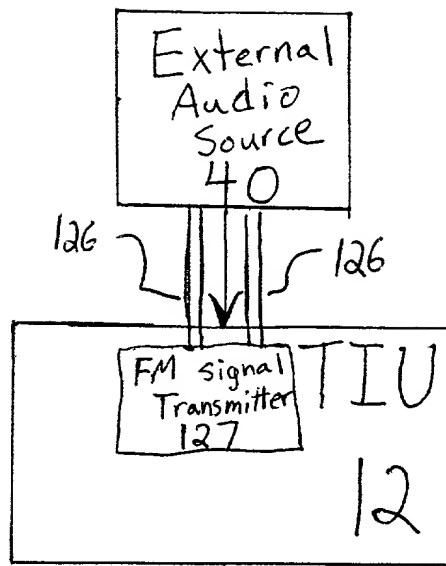


Figure 4A

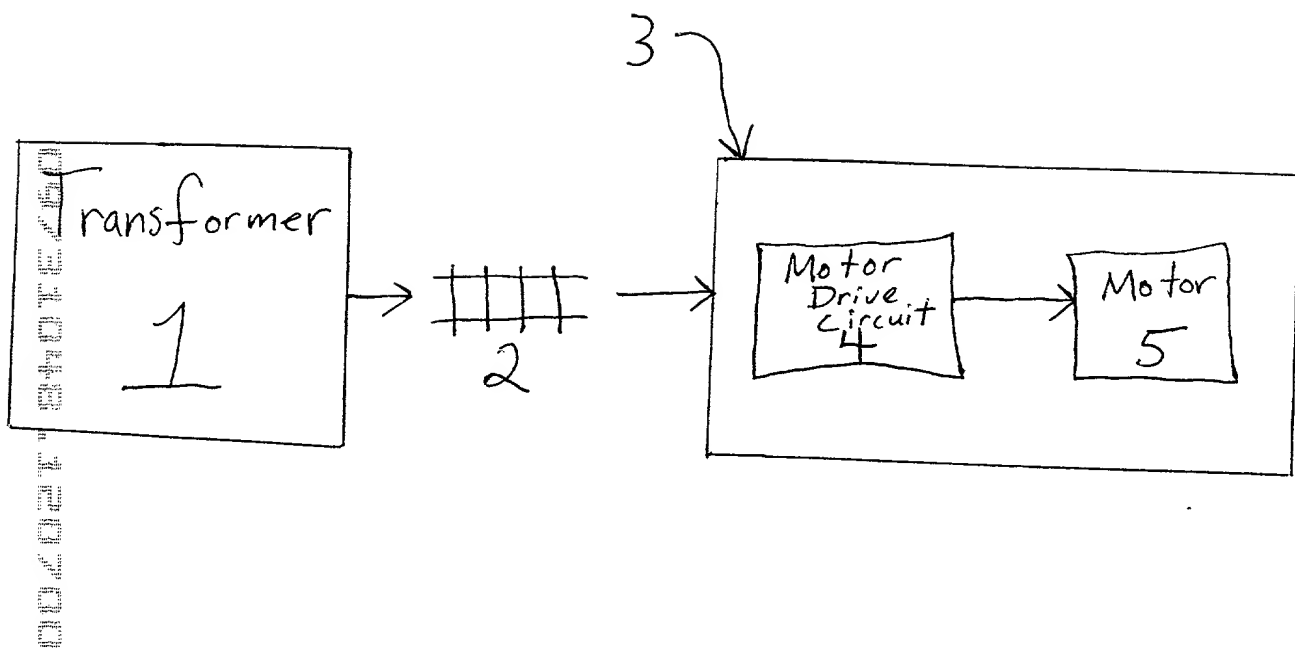


Figure 5
(Prior Art)

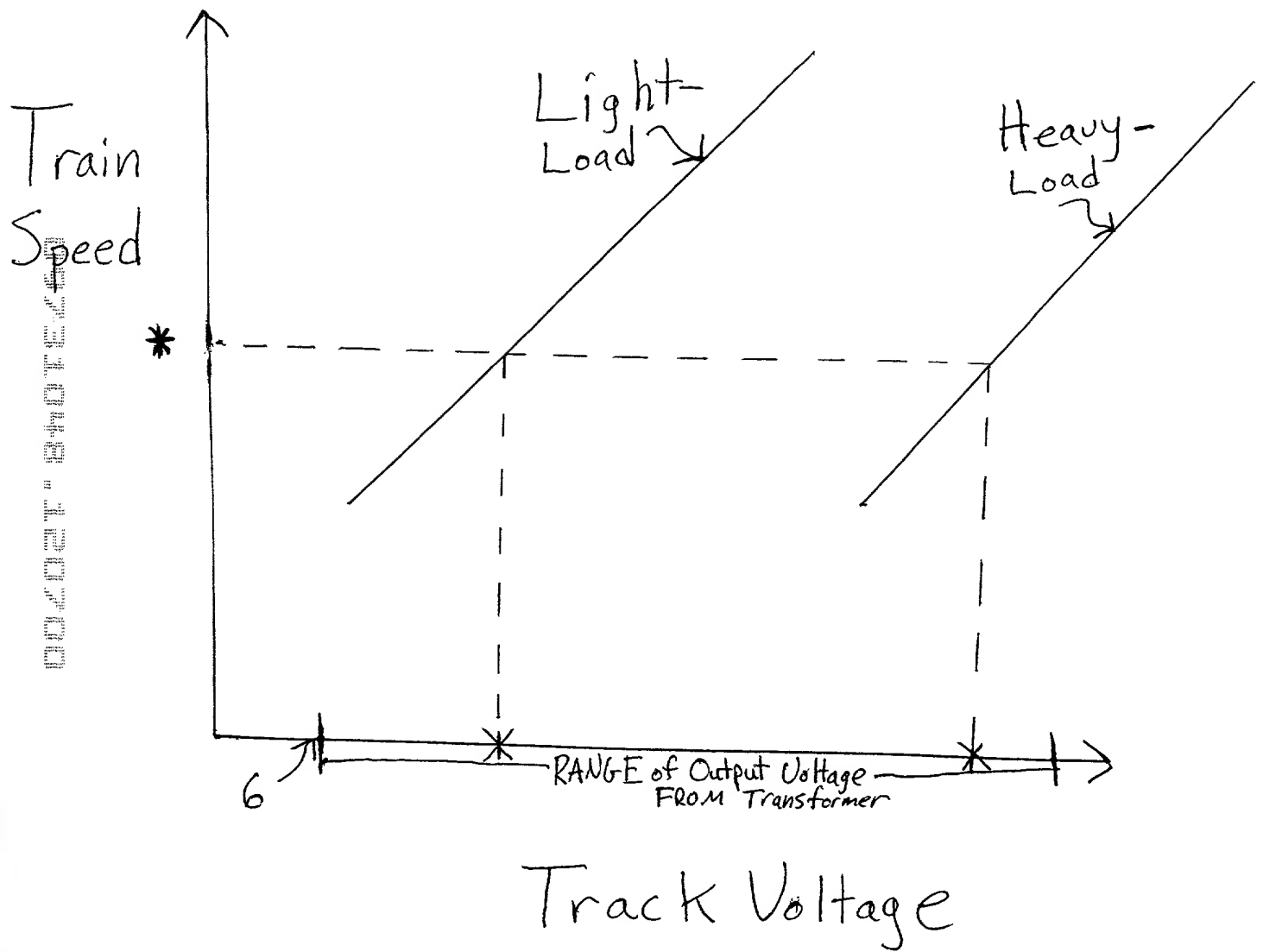


Figure 6

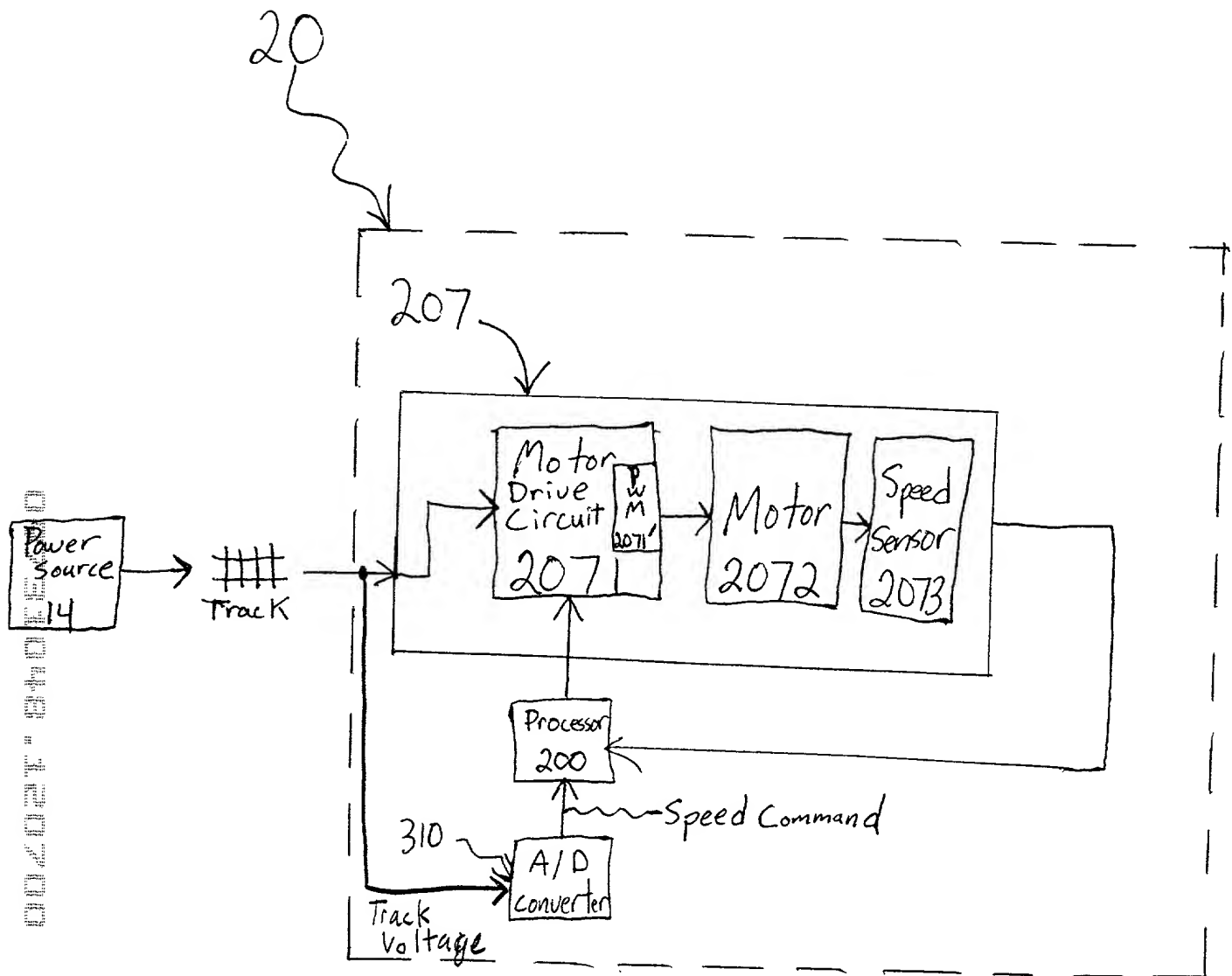


Figure 7

V^+ Rectified Track Voltage

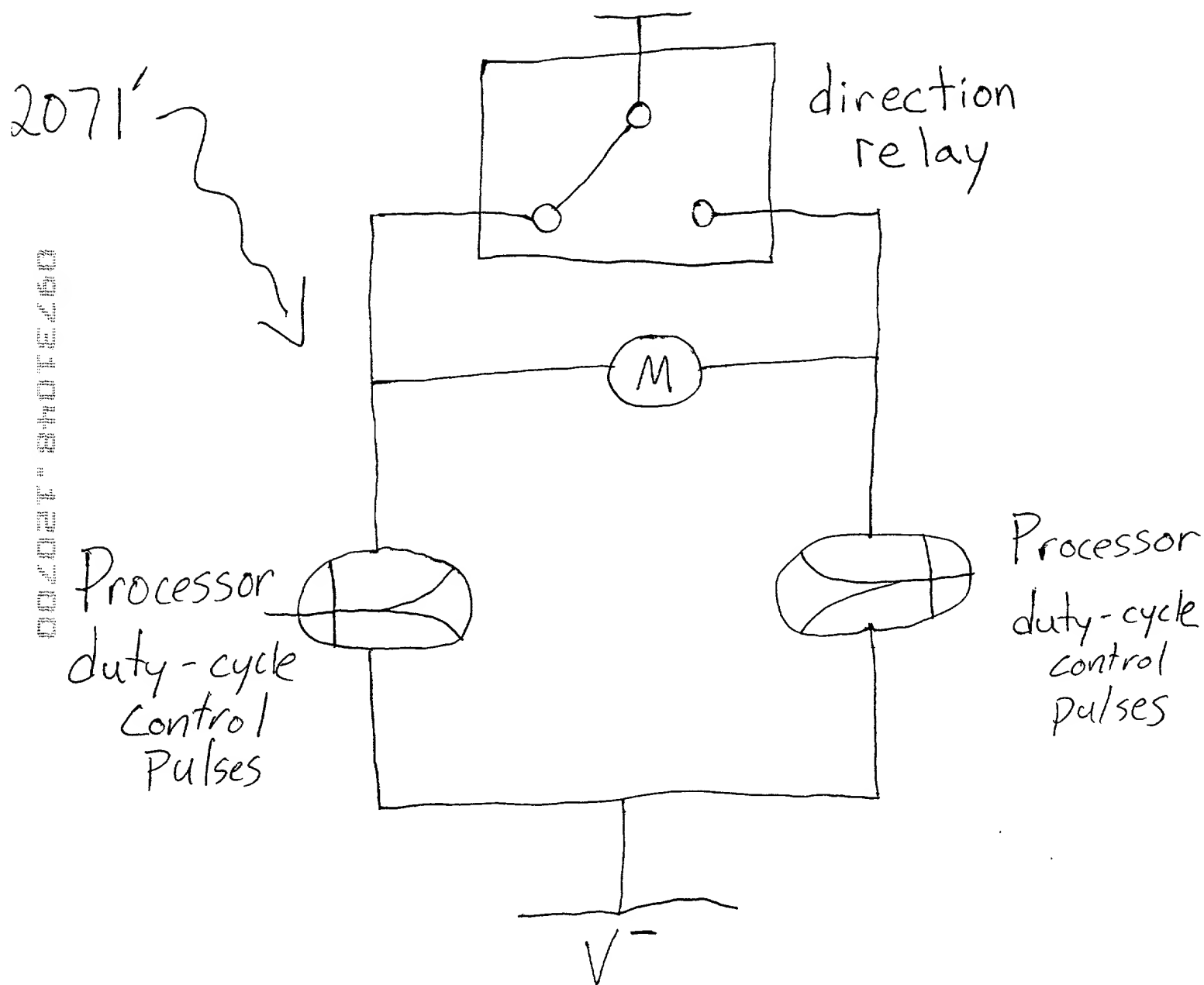


Figure 8

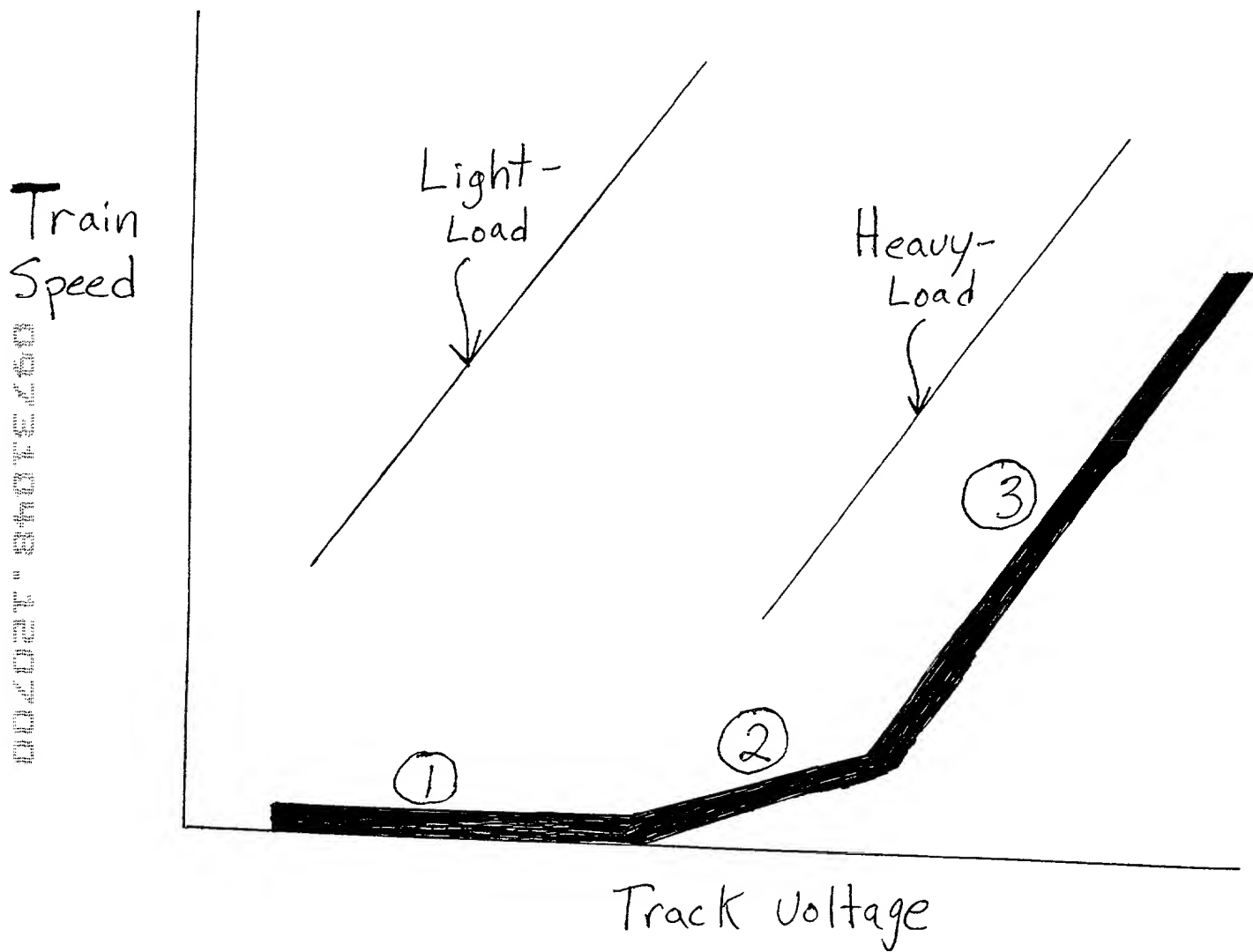


Figure 9

Figure 1 consists of 12 sub-graphs, labeled (a) through (l), each plotting a different physiological parameter against time in minutes (0 to 10). The y-axis for all graphs is in mmHg, ranging from 0 to 120. The parameters and their approximate trends are: (a) Mean arterial pressure (increases from ~80 to ~100), (b) Systolic pressure (increases from ~110 to ~130), (c) Diastolic pressure (increases from ~70 to ~90), (d) Heart rate (increases from ~60 to ~100), (e) Stroke volume (increases from ~50 to ~100), (f) Cardiac output (increases from ~3.0 to ~10.0), (g) Systemic vascular resistance (decreases from ~160 to ~80), (h) Pulmonary vascular resistance (decreases from ~160 to ~80), (i) Pulmonary artery pressure (increases from ~110 to ~130), (j) Pulmonary capillary pressure (increases from ~110 to ~130), (k) Pulmonary artery flow (increases from ~5.0 to ~10.0), and (l) Pulmonary capillary flow (increases from ~5.0 to ~10.0).



Figure 10b
(Prior Art)

150 ↗

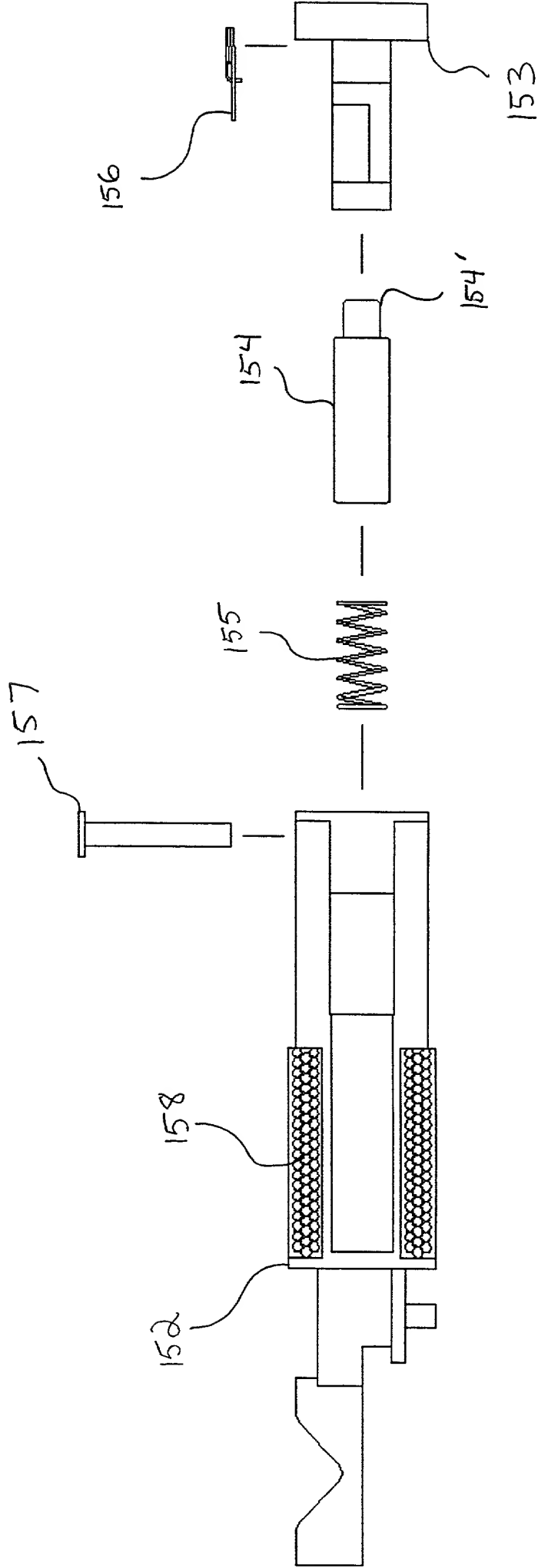
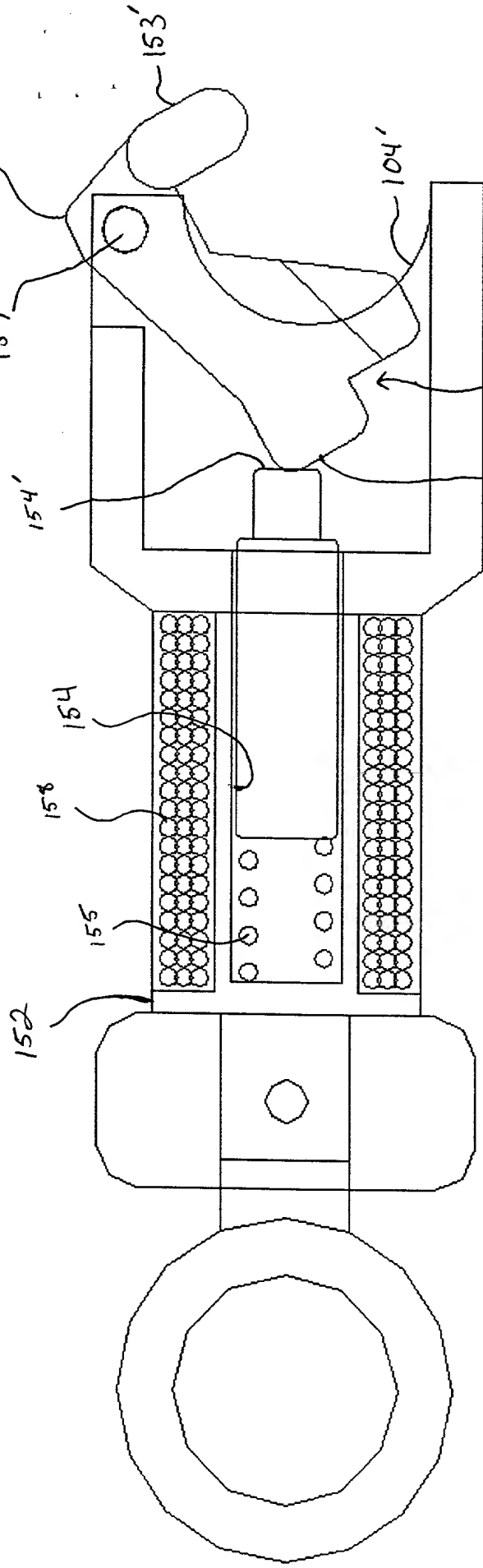


Figure 12a
(Prior Art)

150

Figure 12b
(Prior Art)



150

Figure 12c
(Prior Art)

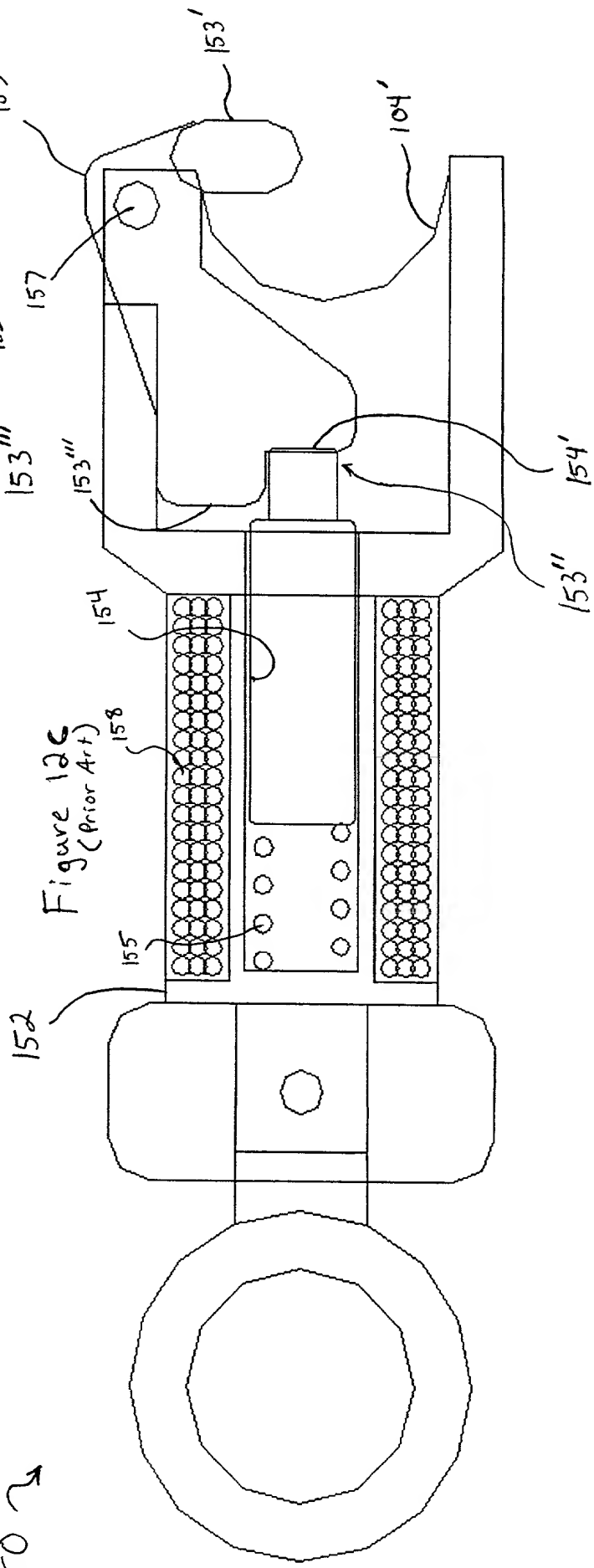


FIG. 13a

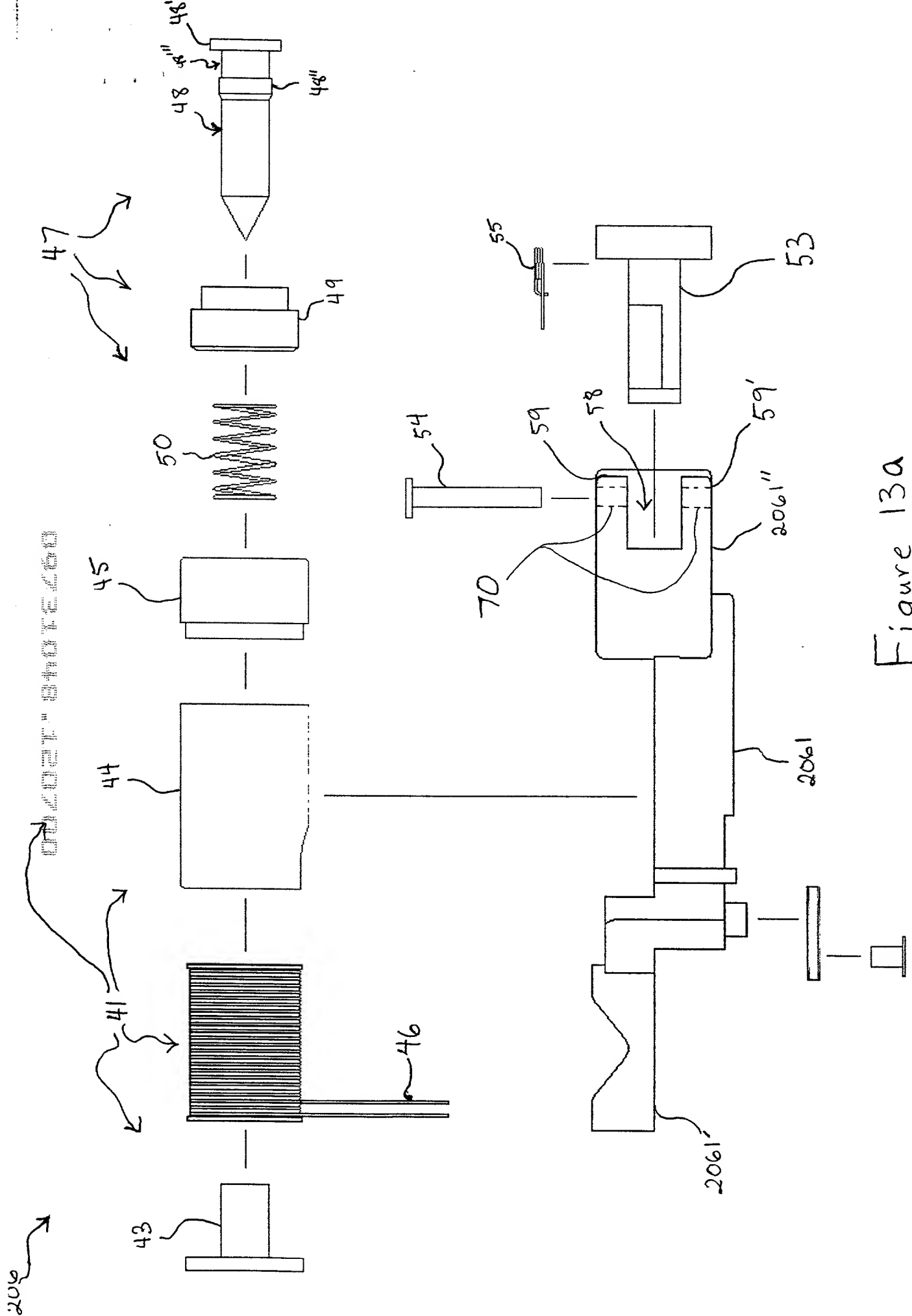


Figure 13a

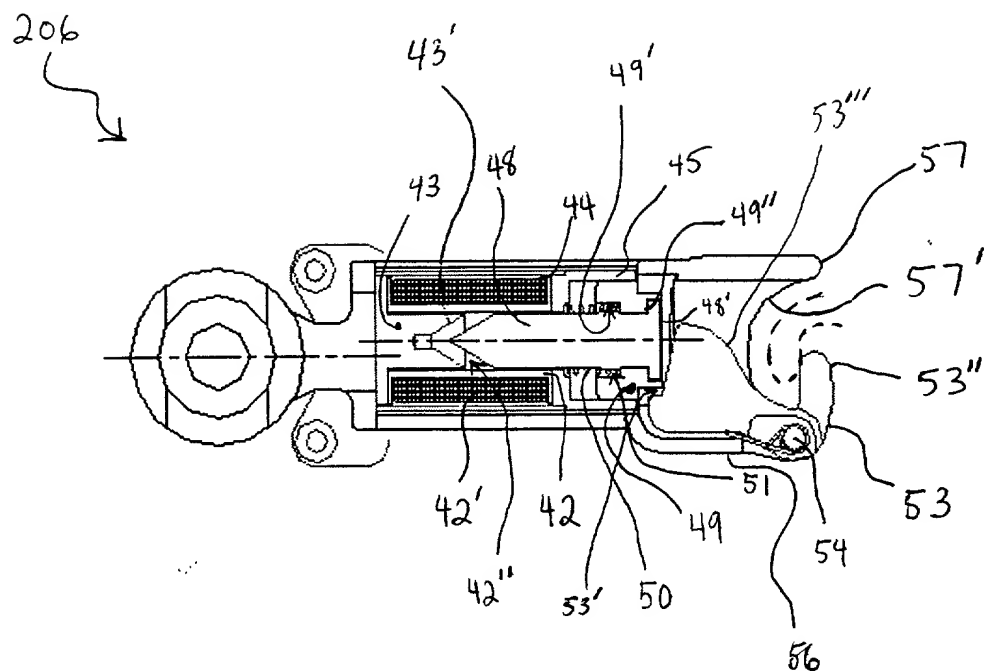


Figure 13b

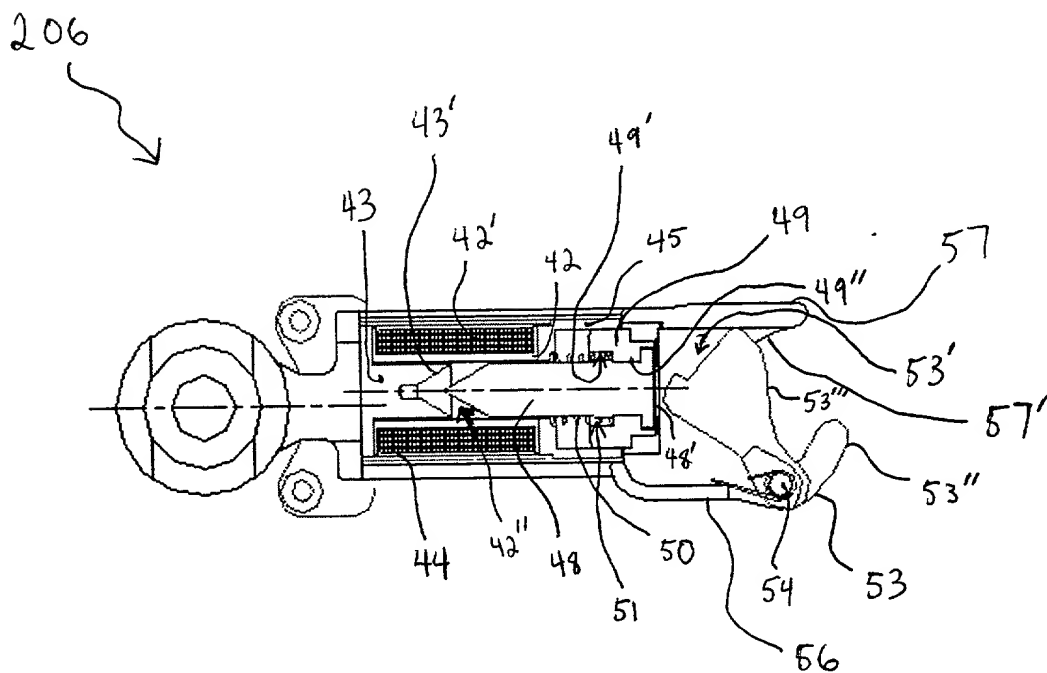


Figure 13c

Figure 13d

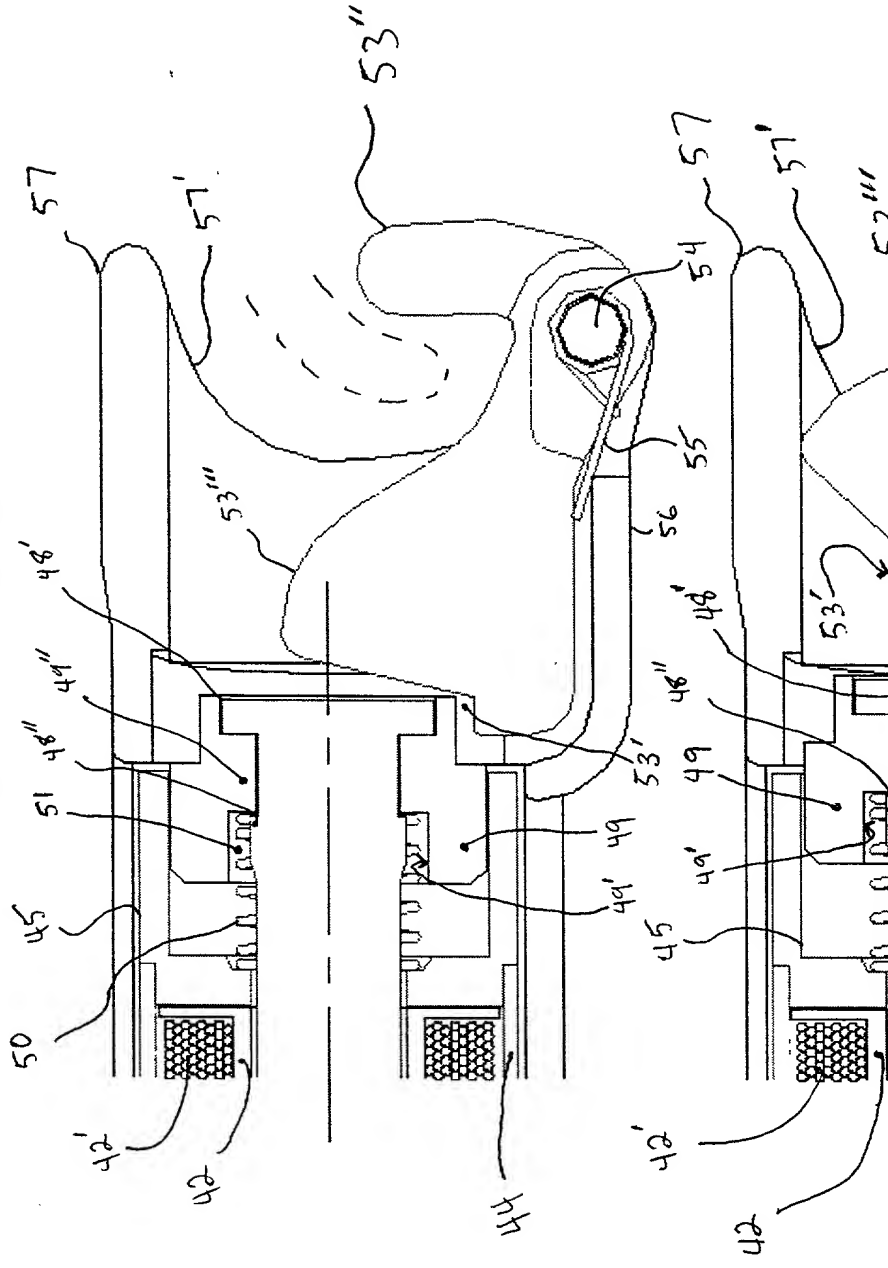
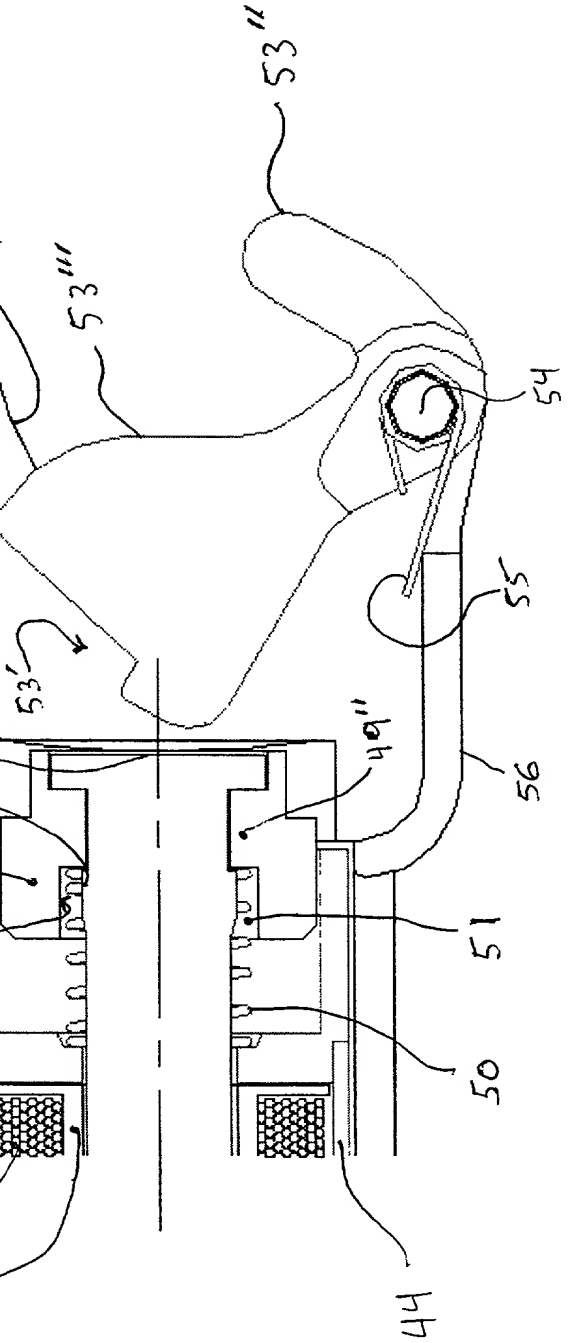


Figure 13e



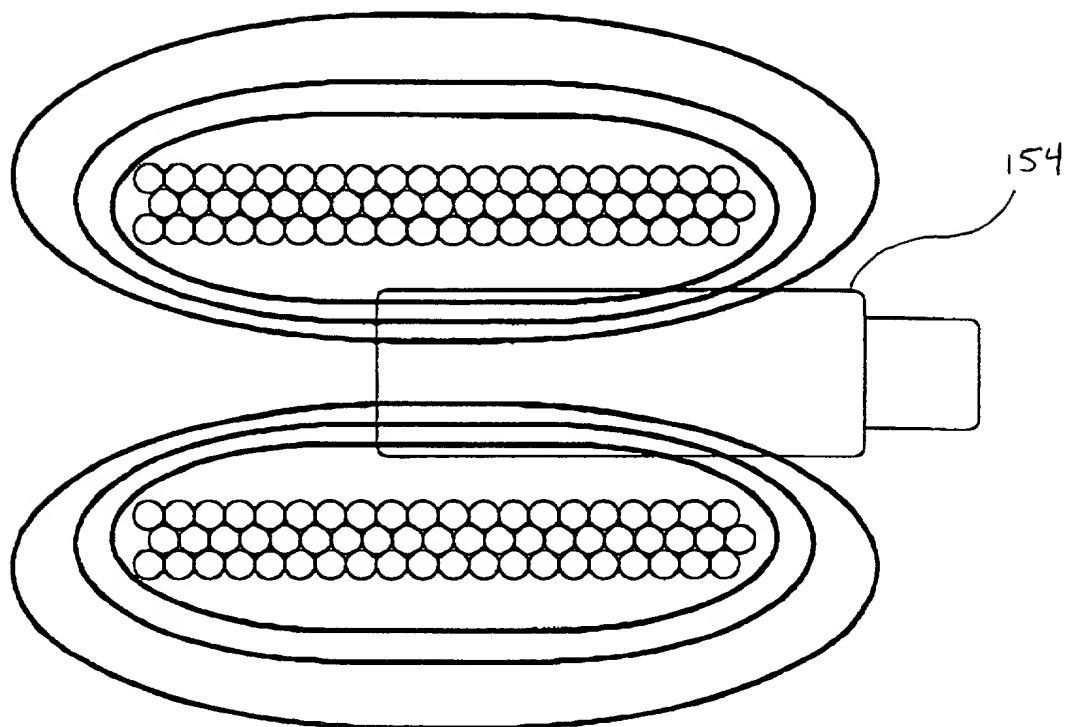
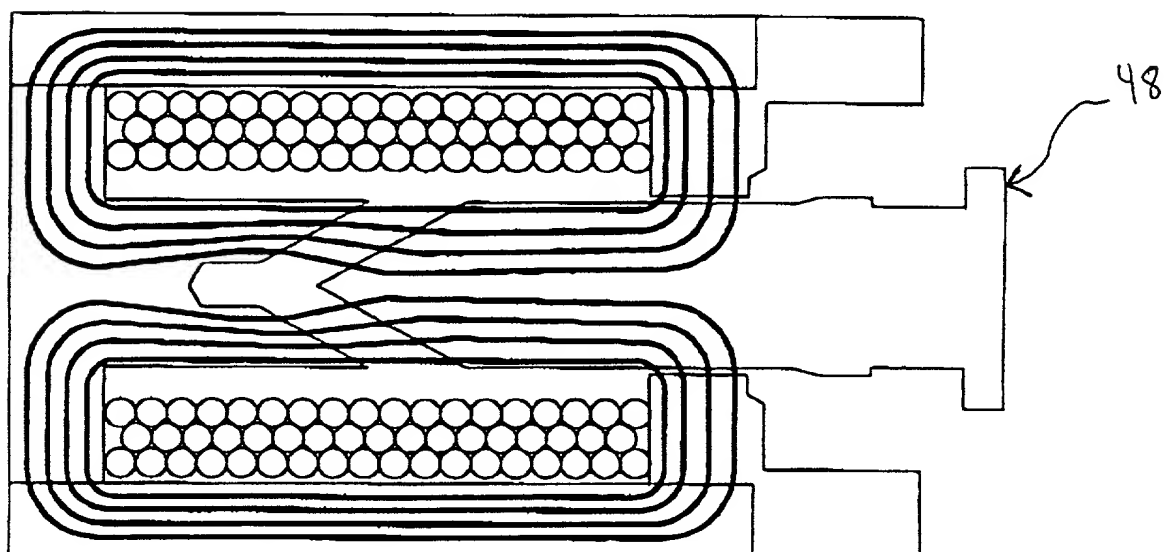


Figure 13f
(Prior Art)

Figure 13g



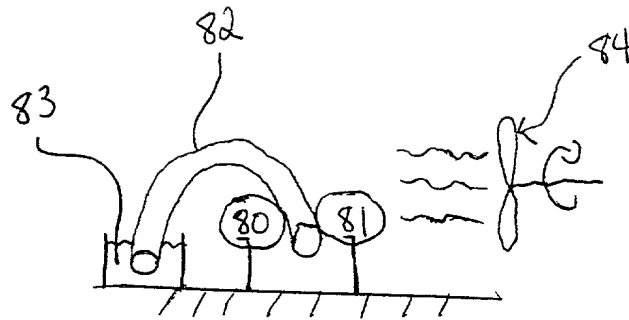


Figure 14a

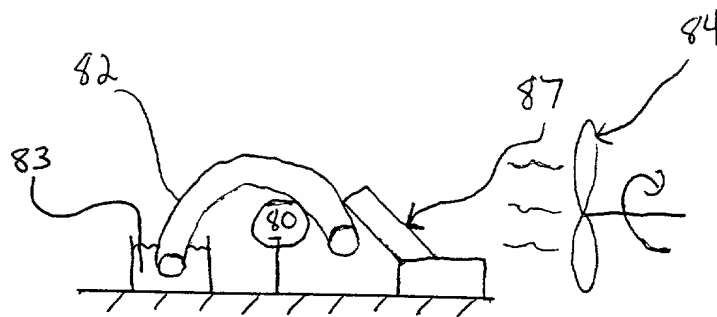


Figure 14b

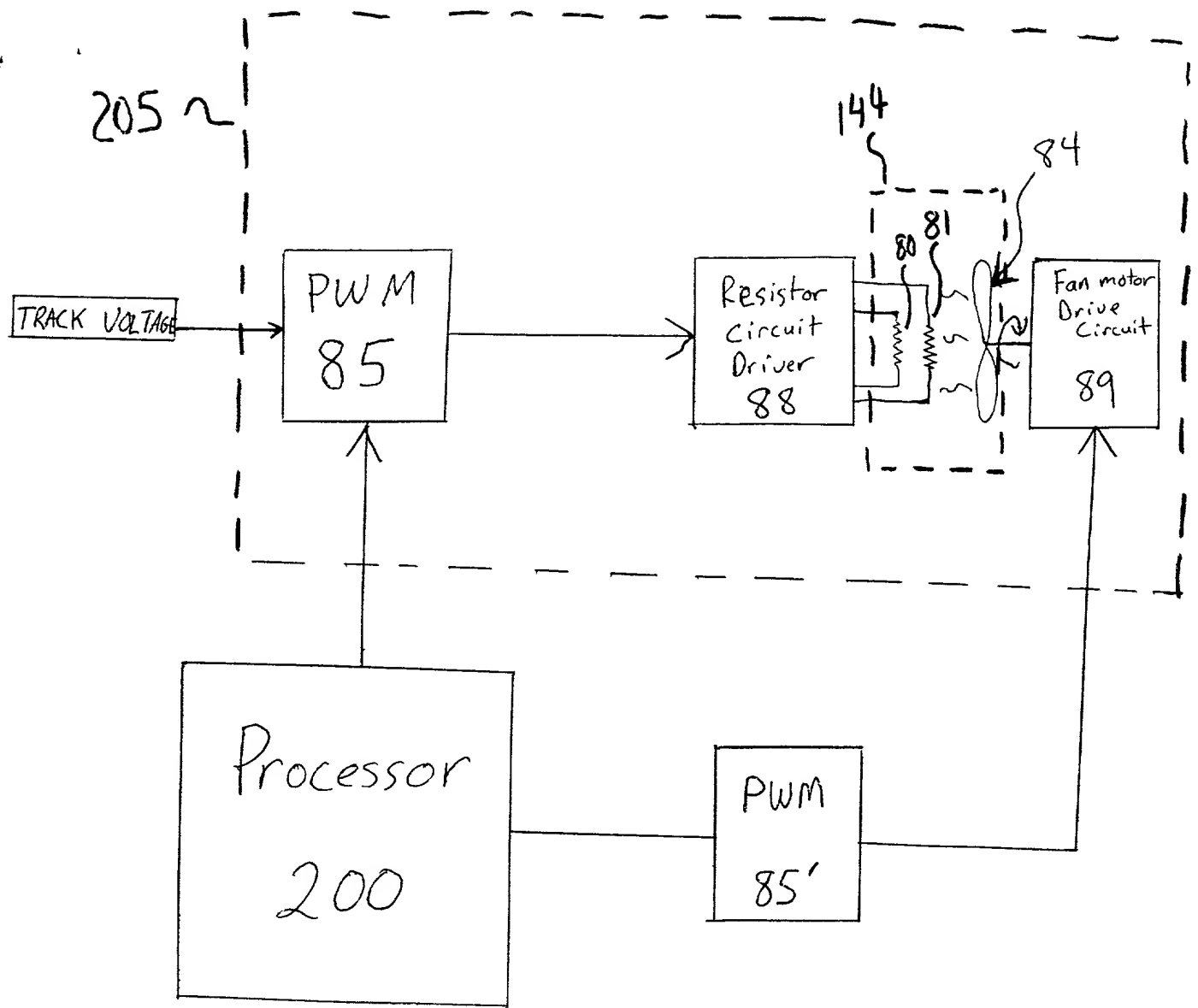


Figure 14c

P-N codes →

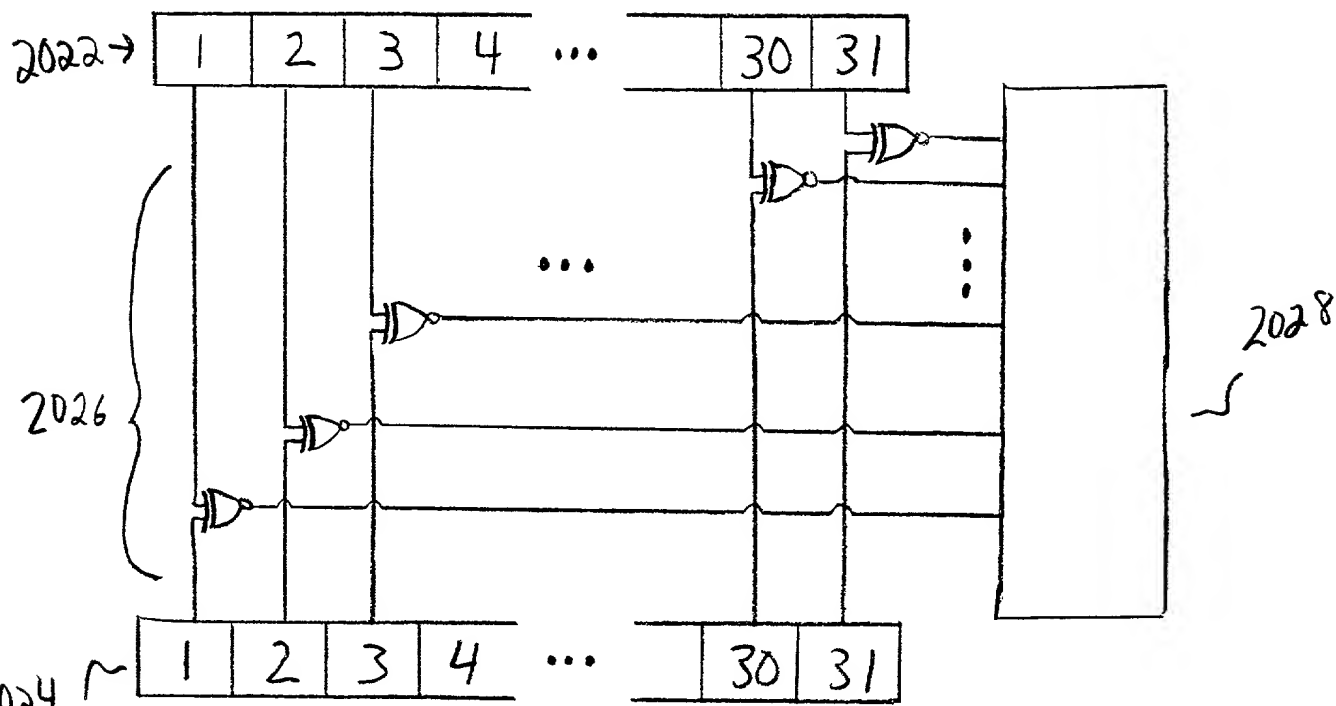


Fig. 15a [IDEAL CASE]

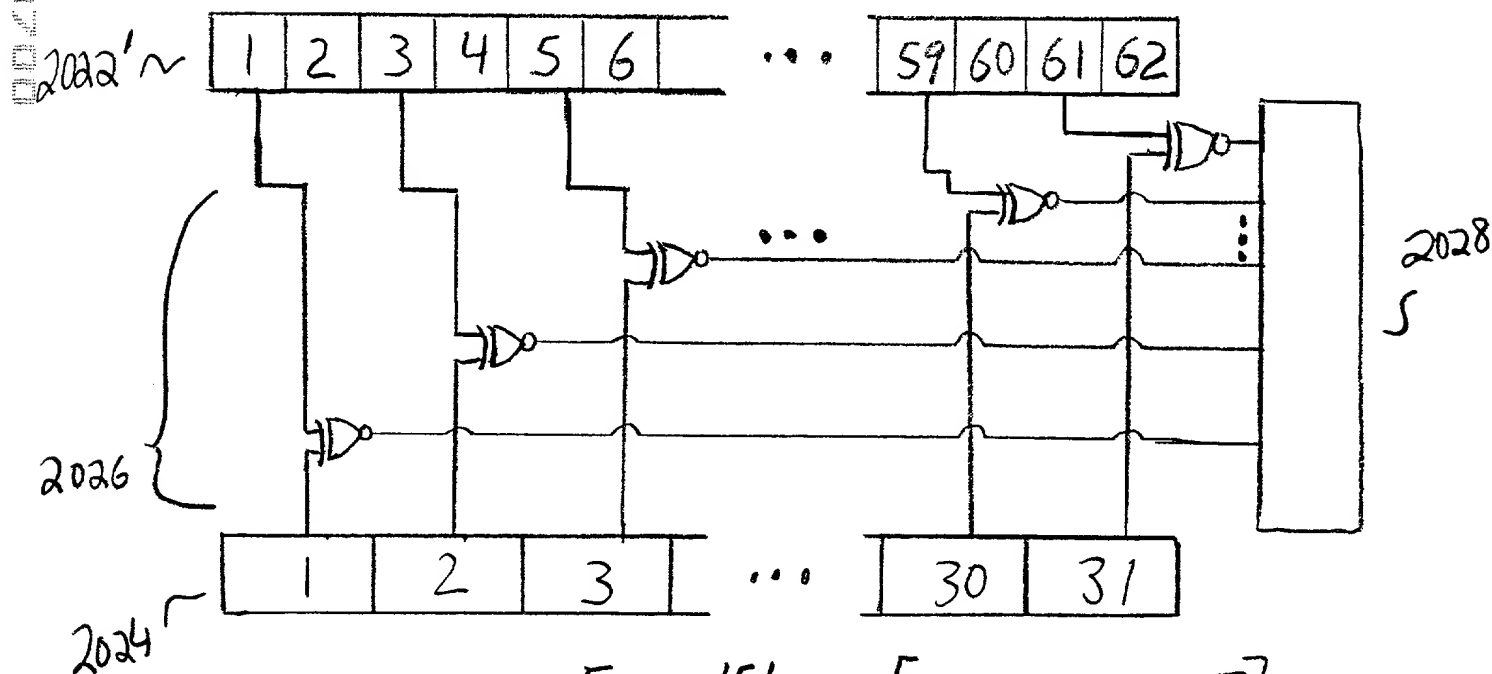


Fig. 15b [NOISY ENVIRONMENT]

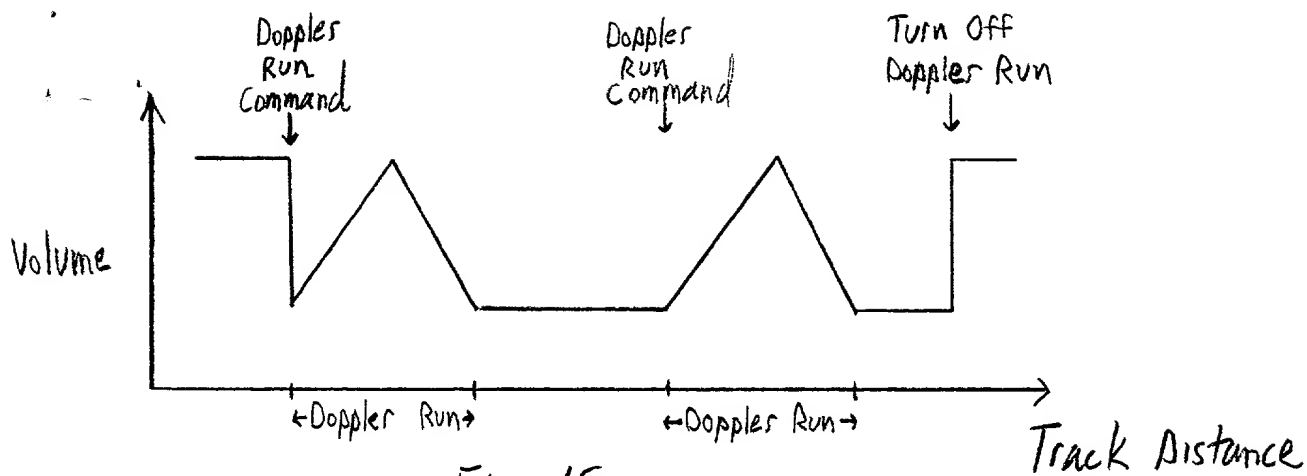


Fig. 16a

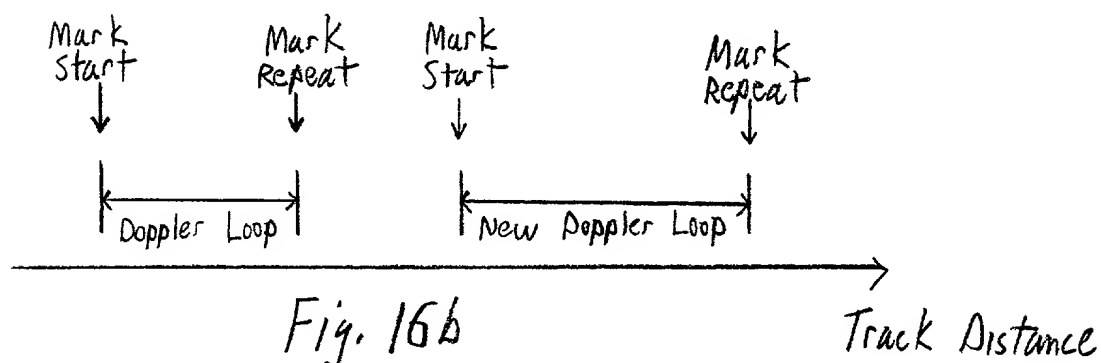


Fig. 16b

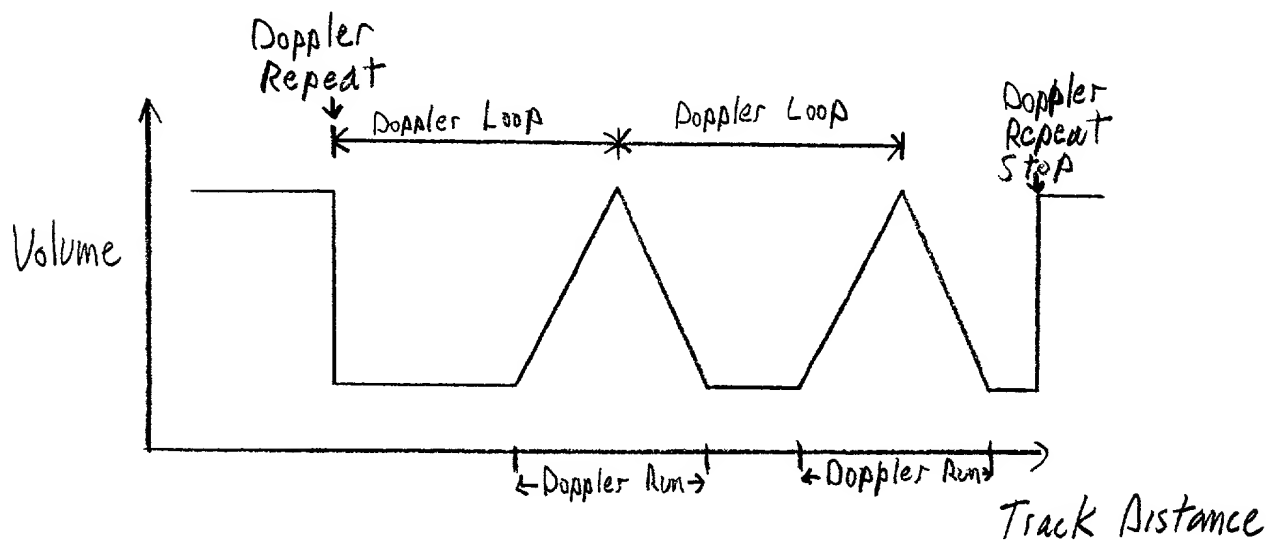


Fig. 16c

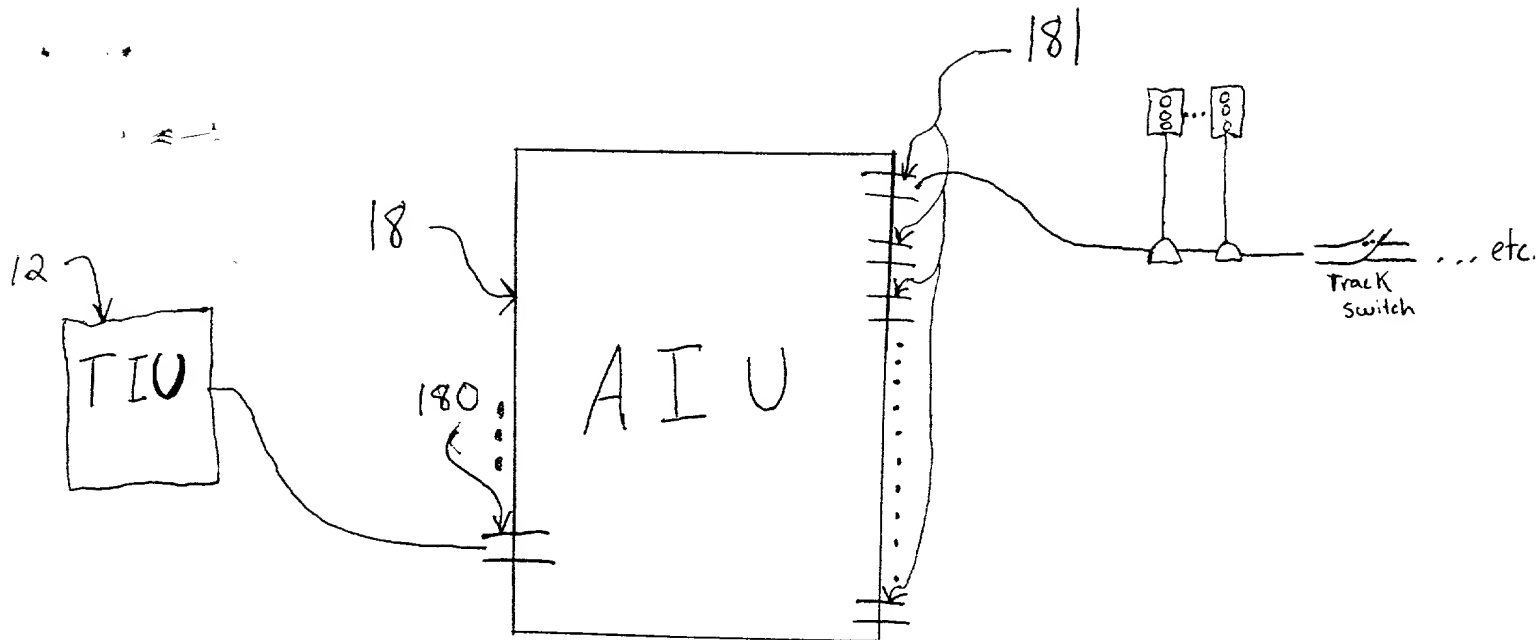


Figure 17a

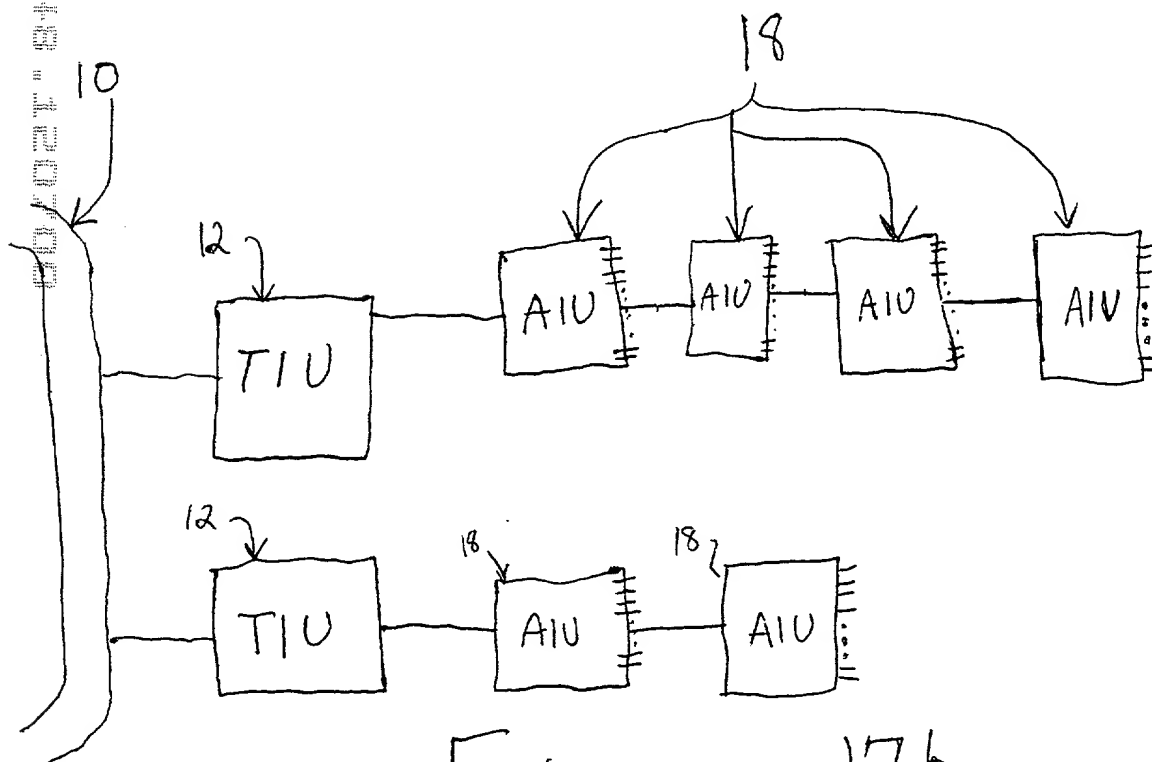


Figure 17b